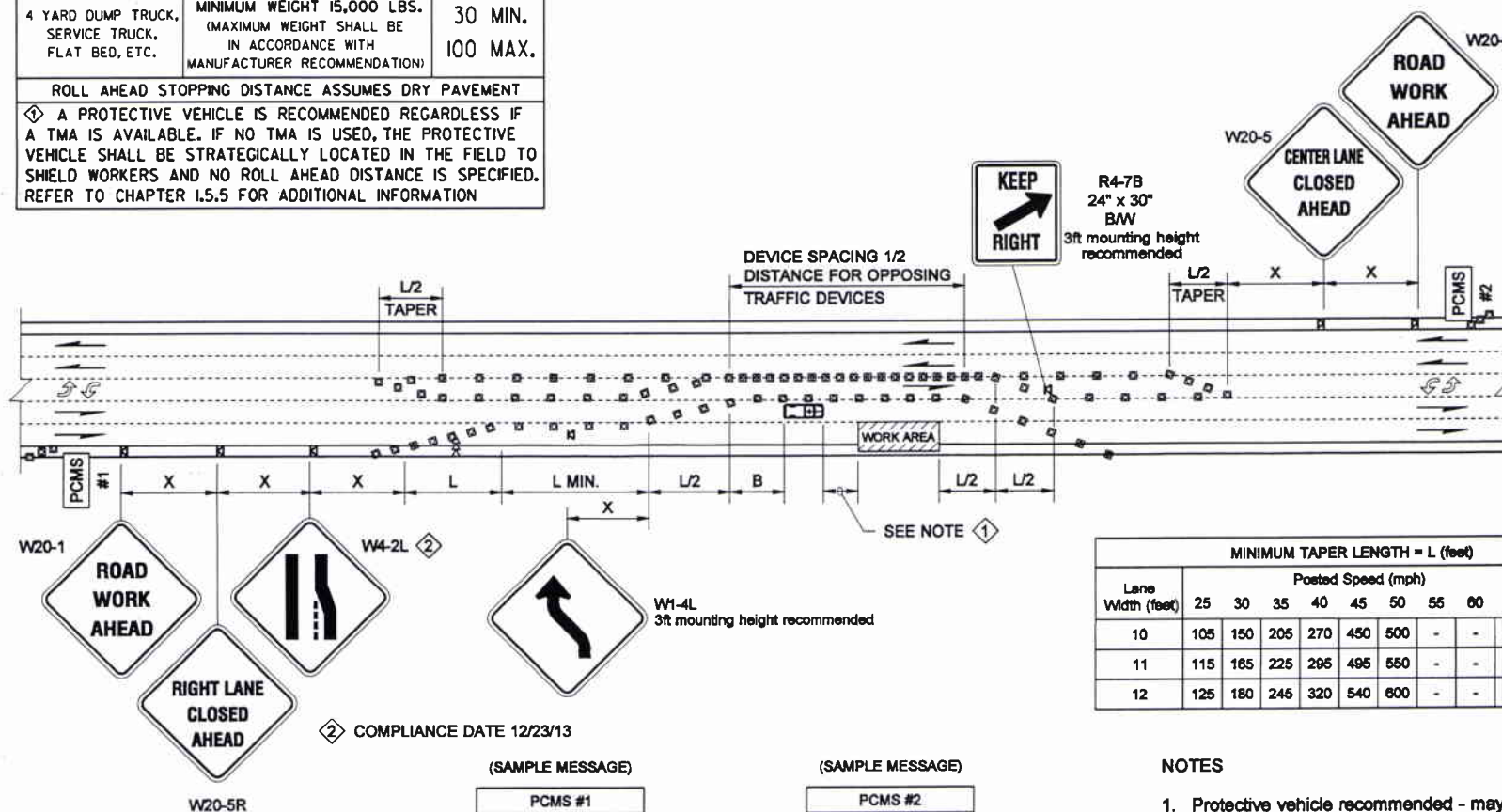


BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
PROTECTIVE VEHICLE WITH TMA ROLL AHEAD DISTANCE										
TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA	TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (LBS)						STATIONARY OPERATION (feet)			
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)						30 MIN. 100 MAX.			
ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT										
⚠ A PROTECTIVE VEHICLE IS RECOMMENDED REGARDLESS IF A TMA IS AVAILABLE. IF NO TMA IS USED, THE PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED IN THE FIELD TO SHIELD WORKERS AND NO ROLL AHEAD DISTANCE IS SPECIFIED. REFER TO CHAPTER 15.5 FOR ADDITIONAL INFORMATION										

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35 / 45	30	60
25 / 30	20	40

SIGN SPACING = X (FEET)		
RURAL ROADS	45 / 55 MPH	500±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	360±
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200±
ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.



MINIMUM TAPER LENGTH = L (feet)										
Lane Width (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	-	-	-	-
11	115	165	225	295	495	550	-	-	-	-
12	125	180	245	320	540	600	-	-	-	-

② COMPLIANCE DATE 12/23/13

(SAMPLE MESSAGE)

PCMS #1	
1	2
LANES CLOSED AHEAD	1 MILE AHEAD
1.5 SEC	1.5 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE TAPER.

(SAMPLE MESSAGE)

PCMS #2	
1	2
CENTER LANE CLOSED	NO LEFT TURNING
1.5 SEC	1.5 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE TAPER.

NOTES

1. Protective vehicle recommended - may be a work vehicle.
2. Recommend extending device taper (L/3) across shoulder.
3. Contact region traffic office for work hour restrictions.
4. If the lane shift is short and has minimal curve radius (30 mph or less) use sign W1-3 in lieu of sign W1-4.
5. PCMS recommended for each direction.

LEGEND

□	SIGN LOCATION
→→→	ARROW PANEL
■ ■ ■	CHANNELIZING DEVICES
□ + □	PROTECTIVE VEHICLE - RECOMMENDED
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

TYPICAL RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY
TCP 10